Linear Algebra

Name of the Assistant/Associate Professor: MUKESH YADAV
Class and Section: B.A. \B.Sc. 3rd year (6th Semester)
Subject: Mathematics
Paper: Linear Algebra
JANUARY
Week 1 **Chapter: 1-"Vector Spaces"**
Assignments:
Week 1, Day 1, 01.01.....: Basic definitions of Vector spaces and its properties
Week 1, Day 2, 02.01.....: Examples of vector spaces
Week 1, Day 3, 03.01.....: some problems related to properties of vector spaces
Week 1, Day 4, 04.01.....: Subspaces of vector spaces and some theorems related to vector subspaces
Week 1, Day 5, 05.01.....: some theorems related to vector subspaces
Week 1, Day 6, 06.01.....: some problems related to properties of subspaces
Week 2 **Chapter: 1-"Vector Spaces" and 2-"Basis and Dimension"**
Assignments: Some questions on vector spaces
Week 2, Day 1, 08.01.....: Linear Sum of subspaces with theorems and its solution
Week 2, Day 2, 09.01.....: linear combination of vectors and linear dependence and independence of vectors with theorems
Week 2, Day 3, 10.01.....:some examples and problems on linear dependence and independence of vectors
Week 2, Day 4, 11.01.....: Linear span, finetly generated vector spacewith theorem

Week 2, Day 5, 12.01.....:Examples on linear span,basis vector spaces,ordered basis,coordinates of vector relative to basis
Week 2, Day 6, 13.01.....:Theorems on basis,maximal linearly independent set
Week 3 **Chapter2: "Basis and Dimension" and Chapter 3: "Quotient space"**
Assignments: Test of vector spaces
Week 3, Day 1, 15.01.....: **dimension of a vector spaces,extension theorems**
Week 3, Day 2, 16.01.....: **Examples and problems on dimension**
Week 3, Day 3, 17.01.....: **Identical subspaces, theorem(dimension on linear sum) with problems**
Week 3, Day 4, 18.01.....: **Theorems , dimension of quotient spaces(theorems)**
Week 3, Day 5, 19.01.....: **Theorems , examples and problems on quotient space**
Week 3, Day 6, 20.01.....: **Problems related to first three chapters**
Week 4 **Chapter4: " Linear Transformations"**
Assignments: **Questions on vector spaces , dimension and basis**
Week 4, Day 1, 22.01.....: Basant Panchami
Week 4, Day 2, 23.01.....: **Linear transformation definations theorem and properties**
Week 4, Day 3, 24.01.....: **One one linear transformation,vector space isomorphism,equality of linear transformation**
Week 4, Day 4, 25.01.....: **Examples and problems on one one onto functions**
Week 4, Day 5, 26.01.....: Republic Day
Week 4, Day 6, 27.01.....: **Determination of T wid examples and problems**
Week 5 **Chapter5: "Rank and Nullity"**
Assignments: **Solve some numericals to find T related to linear transformation**
Week 5, Day 1, 29.01.....: **Null space or Kernel of linear transformation and theorem**
Week 5, Day 2, 30.01.....: **Range space or Image space of linear transformation and theorems**
Week 5, Day 3, 31.01.....:

Rank and Nullity of linear transformation, Theorem(Sylvester's Law)

Name of the Assistant/Associate Professor: MUKESH YADAV
Class and Section: B.A. \B.Sc. 3rd year (6th Semester)
Subject:Mathematics
Paper:Linear Algebra
FEBRUARY
Week 1 **Chapter5:" Rank and Nullity" and Chapter 6:" Matrix of a linear transformation"**
Assignments: Numerical problems on rank and nullity
Week 1, Day 1, 01.02.....: Examples and problems of chapter 5
Week 1, Day 2, 02.02.....: Matrix of linear transformation relative to orderd basis wiTH examples
Week 1, Day 3, 03.02.....: Notation of coordinate vector and related examples
Week 2 **Chapter6: "Matrix of linear transformation** Chapter7:" Algebra of linear transformation"
Assignments: Question based to find matrix of linear transformation
Week 2, Day 1, 05.02.....: **Matrices of identity and zero transformation with problems**
Week 2, Day 2, 06.02.....: **Change of basis with example and exercise**
Week 2, Day 3, 07.02..... **Sum of linear transformationsand theorems**
Week 2, Day 4, 08.02..... **Theorems on last same topic**
Week 2, Day 5, 09.02..... **Examples and problems to to given topic**
Week 2, Day 6, 10.02.....: **Test of chapter 5**
Week 3 **Chapter 8: "Dual Spaces"**
Assignments: Numerical problems of chapter 7
Week 3, Day 1, 12.02.....: **Vector space all linear transformation and related theorem**
Week 3, Day 2, 13.02.....: **Daul space and its theorem**
Week 3, Day 3, 14.02.....: **Solved examples on dual spaces**

Week 3, Day 4, 15.02.....: **Bidual or double dual of vector spaces and theorem**
Week 3, Day 5, 16.02.....: **Annihilator and theorems on annihilator**
Week 3, Day 6, 17.02..... **Annihilator of an annihilator , theorem and related problems**
Week 4 **Chapter 9: "Eigens values and eigen vectors"**
Assignments: **Some questions on dual spaces**
Week 4, Day 1, 19.02.....: **Test of chapter 4 and 6**
Week 4, Day 2, 20.02.....: **Presentation of first unit**
Week 4, Day 3, 21.02.....: **Eigen values and eigen vectorsof linear transformation**
Week 4, Day 4, 22.02.....: **Eigen space,some important theorems**
Week 4, Day 5, 23.02.....: **Examples to find eigen values and vectors**
Week 4, Day 6, 24.02.....: **Similar matrices and theorems**
Week 5 **Chapter 9: "Eigens values and eigen vectors"**
Assignments: **Some problems related to eigen values and eigen vectors**
Week 5, Day 1, 26.02.....: **Diagonalisation, Diagonalizable matrix and theorem**
Week 5, Day 2, 27.02.....: **Numerical examples**
Week 5, Day 3, 28.02.....: **Solve exercise**

Name of the Assistant/Associate Professor: MUKESH YADAV
Class and Section: B.A. \B.Sc. 3rd year (6th Semester)
Subject: Mathematics
Paper: Linear Algrbra
MARCH
Week 1 **Chapter 9: : "Eigens values and eigen vectors"**
Week 1, Day 1, 01.03..... Exercise continue
Week 1, Day 2, 02.03..... Minimal Polynomial, Cayley Hamilton theorem
Week 1, Day 3, 03.03..... Theorems and exercise
Week 2 **Chapter 10: "Inner product spaces"**
Assignments: Problems to find minimial polynomial
Week 2, Day 1, 05.03.....: **Introduction ,inner product spaces with examples**
Week 2, Day 2, 06.03.....: **Properties of Inner product space with examples**
Week 2, Day 3, 07.03.....: **Norm of a vector, Cauchy Schwarz inequality**
Week 2, Day 4, 08.03.....: **Triangle inequality and theorems**
Week 2, Day 5, 09.03.....: **Theorems and examples**
Week 2, Day 6, 10.03.....: **Theorems and normed linear space**
Week 3 **Chapter 10 :" Inner product spaces"**
Assignments: Properties and examples of **Inner product spaces**
Week 3, Day 1, 12.03.....: Orthogonal vectors and Orthogonal complement
Week 3, Day 2, 13.03.....: **Theorems related to orthogonality**
Week 3, Day 3, 14.03.....: **Realated examples to Orthogonality**
Week 3, Day 4, 15.03.....:

Examples on Orthogonality
Week 3, Day 5, 16.03.....: **Orthonormal set and theorem**
Week 3, Day 6, 17.03..... **Bessel's inequality and theorem**
Week 4 **Chapter 10 : " Inner product spaces"**
Assignments:
Week 4, Day 1, 19.03.....: **Test of chapter 7 and 8**
Week 4, Day 2, 20.03.....: **Discussionof test and related problems**
Week 4, Day 3, 21.03.....: **Theorems on Bessels inequality**
Week 4, Day 4, 22.03.....: **Gram Schmidt Orthonoramlization process(theorem)**
Week 4, Day 5, 23.03.....: **Examples on Gram Schmidt Orthonoramlization process**
Week 4, Day 6, 24.03.....: **Some important theorems**
Week 5 **Chapter 10 : " Inner product spaces"**
Assignments: **Problens related to inner product spaces**
Week 5, Day 1, 26.03.....: **Some important theorems**
Week 5, Day 2, 27.03.....: **Remaning theorems and examples**
Week 5, Day 3, 28.03.....: **Exercise based on whole chapter**
Week 5, Day 4, 29.03.....: MAHAVIR JAYANTI
Week 5, Day 5, 30.03.....: **Exercise based on whole chapter**
Week 6 Day 6, 31.03.....: **Test of half chapter ao inner product space**

Name of the Assistant/Associate Professor: MUKESH YADAV
Class and Section: B.A. \B.Sc. 3rd year (6th Semester)
Subject:Mathematics
Paper:Linear Algebra
APRIL
Week 1 **Chapter 11:" Some theorems on linear operators"**
Assignments: **Question on Gram Schmidt Orthonoramlization process**
Week 1, Day 1, 02.04.....: **Introduction of operators adjoint operators ,self adjoint operators, some important concepts**
Week 1, Day 2, 03.04.....: **Some theorems on linear operators**
Week 1, Day 3, 04.04.....: **Some theorems on linear operators**
Week 1, Day 4, 05.04..... **Some theorems on linear operators**
Week 1, Day 5, 06.04..... **Some theorems on linear operators**
Week 1, Day 6, 07.04..... **Some theorems on linear operators**
Week 2 **Chapter 11 :" Some theorems on linear operators"**
Assignments: **Numerical problems of inner product space from related book**
Week 2, Day 1, 09.04.....: **Some theorems on linear operators**
Week 2, Day 2, 10.04.....: **Examples on linear operators**
Week 2, Day 3, 11.04.....: **Test of full chapter 10**
Week 2, Day 4, 12.04.....: **Problems discussion of test**
Week 2, Day 5, 13.04.....: **Presentation of question related to inner product space**
Week 2, Day 6, 14.04.....: **Problems on linear operator**
Week 3 **Chapter 11: :" Some theorems on linear operators"**

Assignments: **Some important difination and theorems on vector spaces**
Week 3, Day 1, 16.04.....: **Exercise questions of linear operator**
Week 3, Day 2, 17.04.....: **Exercise questions of linear operator**
Week 3, Day 3, 18.04.....: **Exercise questions of linear operator**
Week 3, Day 4, 19.04.....: **Test of chapter11**
Week 3, Day 5, 20.04.....: **Problems discussion of test**
Week 3, Day 6, 21.04.....: **Problems related to whole chapter**
Week 4 **Chapter: Revision**
Assignments: **Some important difination and theorems on Linear transformation**
Week 4, Day 1, 23.04..... **Problems related to whole chapter**
Week 4, Day 2, 24.04.....: **Reision of first two chapters**
Week 4, Day 3, 25.04..... **Reision of chapters 3 and 4**
Week 4, Day 4, 26.04..... **Reision of chapters 5,6and 7**
Week 4, Day 5, 27.04..... **Reision of chapters 8 and 9**
Week 4, Day 6, 28.04..... **Reision of chapter 10**
Week 5 **Chapter: Revision**
Assignments: **Som spacese important difination and theorems on inner product**
Week 5, Day 1, 30.04..... **Reision of chapter 11**

Real and Complex Analysis

Name of Assistant Professor: MUKESH YADAV

Class and Section: B. Sc. III/B.A-III- Semester

Subject: Real and Complex Analysis

Lesson Plan: 18Weeks (from January ..... to April .....)

Week 1, **January 1 to January 7** Chapter 1:
Assignments
Week 1, Day 1, January 1- Definition of Jacobian, Chain rule & Theorems
Week 1, Day 2, January 2- Examples
Week 1, Day 3, January 3- Problems
Week 1, Day 4, January 4 - Revision
Week 1, Day 5, January 5 – Functional Dependence (Non Dependence), Examples
Week 1, Day 6, January 6- Problems
Week 2, **January 8 to January14** Chapter :
Assignments
Week 2, Day 1, January 8- Revision
Week 2, Day 2, January 9 - Test
Week 2, Day 3, January 10 – Definition & Properties of Beta function
Week 2, Day 4, January 11 - Examples
Week 2, Day 5, January 12 – Gamma function, Recurrance formula, relation between Beta and Gamma function
Week 2, Day 6, January 13 - Examples
Week 3, **January 15 to January 21** Chapter
Assignments
Week 3, Day 1, January 15 – Duplication formula and Examples

Week 3, Day 2, January 16 - Problems
Week 3, Day 3, January 17 - Discussion
Week 3, Day 4, January 18 – Double integral
Week 3, Day 5, January 19 - Examples
Week 3, Day 6, January 20 - Problems
Week 4, **January 22 to January 28** Chapter
Assignments
Week 4, Day 1, January 22 **Holiday**
Week 4, Day 2, January 23 – Triple Integral
Week 4, Day 3, January 24 **Holiday**
Week 4, Day 4, January 25- Examples
Week 4, Day 5, January 26 **Holiday**
Week 4, Day 6, January 27 - Problems
Week 5, **January 29 to February4** Chapter
Assignments
Week 5, Day 1, January 29 - Test
Week 5, Day2, January 30- Applications of Double & Triple Integral with Examples
Week 5, Day 3, January 31 **Holiday**
Week 5, Day 4, February 1 – Dirichlet's Integral, Liouvill's Extension
Week 5, Day 5, February 2 - Examples
Week 5, Day 6, February 3 – Change of order of integration with examples
Week 6, February 5to February 11 Chapter
Assignments
Week 6, Day 1, February 5 - Problems
Week 6, Day 2, February 6 - Revision
Week 6, Day 3, February 7- Test

Week 6, Day 4, February 8 – Even, Odd & Periodic functions with examples, Trigonometric series, Piecewise Monotonic functions
Week 6, Day 5, February 9 – Definition of Fourier series, determination of Fourier coefficients or Euler's Formula
Week 6, Day 6, February 10 **Holiday**
Week 7, **February 12 to February 18** Chapter
Assignments
Week 7, Day 1, February 12 – Fourier series for Even & Odd functions
Week 7, Day 2, February 13 **Holiday**
Week 7, Day 3, February 14 – Dirichlet's conditions, Theorems
Week 7, Day 4, February 15 - Examples
Week 7, Day 5, February 16 – Fourier expansion of functions having points of Discontinuity
Week 7, Day 6, February 17
Week 8 **February 19 to February25** Chapter
Assignments
Week 8, Day 1, February 19 -Examples
Week 8, Day 2, February 20 - Revision
Week 8, Day 3, February 21 - Problems
Week 8, Day 4, February 22 – Change of interval, Examples
Week 8, Day 5, February 23 **Holiday**
Week 8, Day 6, February 24 – Half range series
Week 9, **February26 to March4** Chapter
Assignments
Week 9, Day 1, February 26 - Examples
Week 9, Day 2, February 27 – Parseval's Identity for Fourier Series
Week 9, Day 3, February 28 **Holiday**
Week 9, Day 4, March 1 **Holiday**

Week 9, Day 5, March 2 **Holiday**
Week 9, Day 6, March 3 **Holiday**
Week 10, **March 5 to March11** Chapter
Assignments
Week 10, Day 1, March 5 **Holiday**
Week 10, Day 2, March 6 - Problems
Week 10, Day 3, March 7 – Revision
Week 10, Day 4, March 8 - Test
Week 10, Day 5, March 9 – Explain Stereographic Projection of Complex numbers
Week 10, Day 6, March 10 - Examples
Week 11, **March 12 to March 18** Chapter
Assignments
Week 11, Day 1, March 12 – Definition of complex function & limit, continuity of complex functions
Week 11, Day 2, March 13 – Rule of Differentiation, Examples
Week 11, Day 3, March 14 - Problems
Week 11, Day 4, March 15 – Definition of Analytic function, CR equations, Necessary condition of a function to be analytic
Week 11, Day 5, March 16 - Examples
Week 11, Day 6, March 17 – Sufficient condition for a function to be analytic, Examples
Week 12, **March 19 to March25** Chapter
Assignments
Week 12, Day 1, March 19 – CR equations in Polar form
Week 12, Day 2, March 20 – Definition of Harmonic functions, Theorems
Week 12, Day 3, March 21 - Examples
Week 12, Day 4, March 22 - Problems
Week 12, Day 5, March 23 **-Holiday**

Week 12, Day 6, March 24 – Applications of analytic functions, Examples
Week 13, **March26to April 1** Chapter
Assignments
Week 13, Day 1, March 26 - Problems
Week 13, Day 2, March 27 – Def. of Multivalued functions, Elementary functions, Exponential function, Properties of Exponential function
Week 13, Day 3, March 28 – Definition & properties of Trigonometric functions Sinz & Cosz, Hyperbolic functions, Logarithmic function
Week 13, Day 4, March 29 **Holiday**
Week 13, Day 5, March 30- Examples
Week 13, Day 6, March 31 – Mappings: Translation, Rotation & Magnification
Week 14, **April 2 to April 8** Chapter
Assignments
Week 14, Day 1, April 2 - Examples
Week 14, Day 2, April 3 – Conformal mappings, Examples
Week 14, Day 3, April 4 – Linear Transformation, Mobious Transformation, Critical Points, Fixed points
Week 14, Day 4, April 5 - Examples
Week 14, Day 5, April 6 – Discussion
Week 14, Day 6, April 7 - Cross Ratio, Inverse points
Week 15, **April 9 to April15** Chapter
Assignments
Week15 , Day 1, April 9 – Examples
Week 15, Day 2, April 10 - Problems
Week 15, Day 3, April 11- Test
Week 15, Day 4, April 12 – Critical Mappings
Week 15, Day 5, April 13 - Examples
Week 15, Day 6, April 14 **Holiday**

Week 16, **April 16 to April22** Chapter
Assignments
Week 16, Day 1, April 16 - Problems
Week 16, Day 2, April 17 - Revision
Week 16, Day 3, April 18 **Holiday**
Week 16, Day 4, April 19 - Test
Week 16, Day 5, April 20 - Revision of Unit I
Week 16, Day 6, April 21 - Revision of Unit I
Week17 **April 23 to April29** Chapter
Assignments
Week17 , Day 1, April 23 - Revision of Unit II
Week 17, Day 2, April 24 - Revision of Unit III
Week 17, Day 3, April 25 - Test
Week 17, Day 4, April 26 - Revision of Unit IV
Week 17, Day 5, April 27 - Revision of Unit IV
Week 17, Day 6, April 28 - Test
Week 18 **April 30 to May 6** Chapter
Assignments
Week18 , Day 1, April 30 **Holiday**

Numerical Analysis

Name of Assistant Professor: MUKESH YADAV

Class and Section: B.SC-/B.A-III (6th Sem)

Subject: Numerical Analysis

Lesson Plan: 18Weeks (from January ..... to April .....)

Week 1, **January 1 to January 7** Chapter 1:
Assignments
Week 1, Day 1, January 1- Introduction of Difference Operator& their relations
Week 1, Day 2, January 2 – Effects & errors in a difference tabular values
Week 1, Day 3, January 3- Examples
Week 1, Day 4, January 4 –Interpolation with equal interval
Week 1, Day 5, January 5 – Examples
Week 1, Day 6, January 6- Revision
Week 2, **January 8 to January14** Chapter :
Assignments
Week 2, Day 1, January 8- Newton's forward interpolation formula
Week 2, Day 2, January 9 – Examples
Week 2, Day 3, January 10 – Newton's backward interpolation formula
Week 2, Day 4, January 11 – Examples
Week 2, Day 5, January 12 – Examples
Week 2, Day 6, January 13 - Revision
Week 3, **January 15 to January 21** Chapter
Assignments
Week 3, Day 1, January 15 – Interpolation with unequal interval.
Week 3, Day 2, January 16- Examples

Week 3, Day 3, January 17 - Reapted
Week 3, Day 4, January 18 - Revision
Week 3, Day 5, January 19 – Newton's divided difference
Week 3, Day 6, January 20 – Reapted
Week 4, **January 22 to January 28** Chapter
Assignments
Week 4, Day 1, January 22 **Holiday**
Week 4, Day 2, January 23 – Revision
Week 4, Day 3, January 24 **Holiday**
Week 4, Day 4, January 25- Examples
Week 4, Day 5, January 26 **Holiday**
Week 4, Day 6, January 27 - Revision
Week 5, **January 29 to February4** Chapter
Assignments
Week 5, Day 1, January 29 – Hermite formula
Week 5, Day2, January 30- Examples
Week 5, Day 3, January 31 **Holiday**
Week 5, Day 4, February 1 – Centeral differences (Defination)
Week 5, Day 5, February 2 – Gauss forward interpolation.
Week 5, Day 6, February 3 – Examples
Week 6, February 5to February 11 Chapter
Assignments
Week 6, Day 1, February 5 – Gauss backward interpolation formula
Week 6, Day 2, February 6 – Examples
Week 6, Day 3, February 7- Sterling formula
Week 6, Day 4, February 8 – Examples
Week 6, Day 5, February 9 –Bessel formula
Week 6, Day 6, February 10 **Holiday**

Week 7, **February 12 to February 18** Chapter
Assignments
Week 7, Day 1, February 12 –Examples
Week 7, Day 2, February 13 **Holiday**
Week 7, Day 3, February 14-Reapted
Week 7, Day 4, February 15 Revision Examples
Week 7, Day 5, February 16 –Test-Unit-1
Week 7, Day 6, February 17 - Explain Test of unit 1
Week 8 **February 19 to February25** Chapter
Assignments
Week 8, Day 1, February 19 –Probality distribution of random variables
Week 8, Day 2, February 20- Examples
Week 8, Day 3, February 21 – Bionimal distribution. 20 - Revision
Week 8, Day 4, February 22 - Examples
Week 8, Day 5, February 23 **Poission's distribution**
Week 8, Day 6, February 24 – Examples
Week 9, **February26 to March4** Chapter
Assignments
Week 9, Day 1, February 26 –Normal distribution: Mean, Variance and fitting.
Week 9, Day 2, February 27 – Examples.
Week 9, Day 3, February 28 **Holiday**
Week 9, Day 4, March 1 **Holiday**
Week 9, Day 5, March 2 **Holiday**
Week 9, Day 6, March 3 **Holiday**
Week 10, **March 5 to March11** Chapter
Assignments
Week 10, Day 1, March -5 Test-Unit-2
Week 10, Day 2, March 6 – Explain

Week 10, Day 3, March 7 – Defination of Numerical differenation
Week 10, Day 4, March 8 – Derivative of a function using interpolation formula
Week 10, Day 5, March 9-Examples
Week 10, Day 6, March 10 Revision
Week 11, **March 12 to March 18** Chapter
Assignments
Week 11, Day 1, March 12 – Eigen value problem Week 11, Day2, March 13 – Power method
Week 11, Day 3, March 14 – Jacobi method
Week 11, Day 4, March 15 – Given's method
Week 11, Day 5, March 16 -Examples
Week 11, Day 6, March 17 – Reapted
Week 12, **March 19 to March25** Chapter
Assignments
Week 12, Day 1, March 19 –House-Holder's method
Week 12, Day 2, March 20 – Examples
Week 12, Day 3, March 21 – Revision
Week 12, Day 4, March 22 – Explain Unit
Week 12, Day 5, March 23 **Holiday**
Week 12, Day 6, March 24 – QR method
Week 13, **March26to April 1** Chapter
Assignments
Week 13, Day 1, March 26 –Examples
Week 13, Day 2, March 27 – Lanczos method
Week 13, Day 3, March 28 – Examples
Week 13, Day 4, March 29 **Holiday**
Week 13, Day 5, March 30-Revision
Week 13, Day 6, March 31 – Test –Unit -3

Week 14, **April 2 to April 8** Chapter
Assignments
Week 14, Day 1, April 2 – Defination of numerical intigeration
Week 14, Day 2, April 3 – Newton's-cote's Quadrature formula
Week 14, Day 3, April 4 -Examples
Week 14, Day 4, April 5 – Trapezoidal rule
Week 14, Day 5, April 6 – Examples
Week 14, Day 6, April 7 – Simpson's one-third and three-eight rule
Week 15, **April 9 to April15** Chapter
Assignments
Week15 , Day 1, April 9 –Chebychev formula
Week 15, Day 2, April 10 –Examples
Week 15, Day 3, April 11-Gauss Quadrature formula
Week 15, Day 4, April 12 – Examples
Week 15, Day 5, April 13 – Revision
Week 15, Day 6, April 14 **Holiday**
Week 16, **April 16 to April22** Chapter
Assignments
Week 16, Day 1, April-16-Numerical solution of ordinary differential equation
Week 16, Day 2, April 17 – Single step methods-Picard's method
Week 16, Day 3, April 18 **Holiday**
Week 16, Day 4, April 19 – Examples
Week 16, Day 5, April 20 – Taylor;s series method
Week 16, Day 6, April 21 - Examples
Week17 **April 23 to April29** Chapter
Assignments
Week17 , Day 1, April 23 – Euler's method

Week 17, Day 2, April 24 – Runge-Kutta method
Week 17, Day 3, April 25 - Examples
Week 17, Day 4, April 26 – Multiple step method
Week 17, Day 5, April 27 – Predictor-Corrector method
Week 17, Day 6, April 28 – Modified euler's method Milne-Simpon's method
Week 18 **April 30 to May 6** Chapter
Assignments
Week18 , Day 1, April 30 **Holiday**